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(54) REVERSE ROTATION PREVENTING DEVICE FOR INTERNAL COMBUSTION ENGINE

(57)Abstract

PURPOSE: To simplify the structure for stopping the driving of a fuel pump at the time of reverse rotation by changing the profile of an effective cam according to the rotating direction by a reverse rotation preventing cam provided in addition to a fuel cam for driving the tappet roller of the fuel pump.

CONSTITUTION: When a fuel cam 10 is rotated in the positive rotational direction A, a reverse rotation preventing cam 20 is moved into a normal driving position by the influence of damping force and inertia force due to the tappet roller 5 of a fuel pump 3 being in contact with the peripheral surface of the reverse rotation preventing cam 20. On the other hand, when a crankshaft starts its reverse rotation and a camshaft 11 and the fuel cam 10 are rotated in the reverse rotational direction B for some cause at the starting time of an engine, the reverse rotation preventing cam 20 is moved into a reverse rotation preventing position by the influence of the above-mentioned damping force and inertia force. In this position, the tappet roller 5 is held mostly in the constant position, and the driving of the fuel pump 3 is stopped.



